

Kentucky River Area Occupational Outlook to 2010



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KENTUCKY RIVER AREA OCCUPATIONAL OUTLOOK TO 2010

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PREFACE

The Labor Market Information in this publication is based on a large array of labor market statistics collected and developed by the staff of the Research and Statistics (R&S) Branch in the Kentucky Department for Employment Services. The Labor Market Information (LMI) Section within R&S developed the projections and this publication.

The Kentucky Occupational Employment Statistics (OES) survey of Kentucky employers provided the occupational employment data used in the study. This is a statewide survey of approximately 20,000 employers, over a three-year period, representing the various industries in Kentucky. The employment data used to project industries to the year 2010 were based on the Current Employment Statistic (CES) and the Employment and Earnings (ES-202) programs. The projected total growth in each Area Development District (ADD) was based on employment data from 1971 through 2000 developed from the Local Area Unemployment Statistics (LAUS) program. Data from all of the above programs were used to develop the occupational outlook to 2010 publications for each Area Development Districts listed below:

ADD 1-Purchase Area	ADD 8&9-Buffalo Trace and Gateway Areas
ADD 2-Pennyriple Area	ADD 10-FIVCO Area
ADD 3-Green River Area	ADD 11-Big Sandy Area
ADD 4-Barren River Area	ADD 12-Kentucky River Area
ADD 5-Lincoln Trail Area	ADD 13-Cumberland Valley Area
ADD 6-Louisville (KIPDA) Area	ADD 14-Lake Cumberland Area
ADD 7-Northern Kentucky Area	ADD 15-Bluegrass Area

The projections and this publication are funded by the U.S. Department of Labor (USDOL), Employment and Training Administration. The national industry and occupational projections developed by the U. S. Department of Labor's Bureau of Labor Statistics were used in the process to project Kentucky's industries and occupations. The Bureau of Labor Statistics and the U.S. Department of Commerce, Bureau of Economic Analysis provided additional statistics necessary in the projection process. The Utah Department of Economic Security developed the personal computer-based model used for the occupational projections. Special thanks go to the Kentucky employers who completed the questionnaires that provided the employment information necessary for this effort.

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INTRODUCTION

Which jobs will be in demand in the Kentucky River Area from now until the year 2010? Which occupations will provide the most job openings each year through 2010? Which occupations are likely to grow the fastest and which are likely to decline from 2000 to 2010? The *Kentucky River Area Occupational Outlook to 2010* offers some insight into these often asked questions. Students, job seekers, counselors and others should find this report helpful.

This report contains highlights and a user's guide to occupational statistics that provide answers to frequently asked questions regarding the statistics. Also included are tables of the top 45 Kentucky River Area occupations with the most annual job openings and the 44 fastest-growing Kentucky River Area occupations. The Kentucky River Area Occupational Employment Outlook and Job Openings tables beginning on page 9 provides occupational employment projections for a variety of occupations. This table also presents, for each of these occupations, the number and percentage of expected change in employment and the average number of annual job openings for the period of 2000 to 2010.

While this study provides projections of occupational trends and job openings in the Kentucky River Area, it should be stressed that the estimates are subject to the limitations that are a part of any effort to determine future conditions. It is impossible to predict what the Kentucky River Area will look like in 2010. The projections of long-term trends into the future, however, should provide valuable insight into the likely magnitude of occupational growth or decline in the area. The projections have been carefully prepared using accepted methods within a framework of national, state and area assumptions. They will be modified in future publications if long-term changes occur in the area's economic outlook or as more current information becomes available.

The estimates in this report reflect only the demand for labor from 2000 through 2010. The supply, or the number of educated or trained workers available to fill future job openings, is beyond the scope of this report.

With a projected tighter labor market resulting from Kentucky's labor force growing more slowly than employment, along with the structural and technological changes that are taking place in all industries, the development and utilization of our human resources have become a top priority for all those concerned with employment training. Education and training programs that can meet the needs of employers today and in the future will take on even greater importance. To meet this challenge, it is crucial that education and training planners, business, labor, government and job seekers have the necessary occupational information to assist them in making informed, intelligent decisions in the development of these education and training programs as well as individual career choice. This publication was designed to assist users in these tasks.

NOTE: These 2000-2010 projections use the new Standard Occupational Classification (SOC) system, while prior versions of projections used the Occupational Employment Statistics (OES) codes for classifying occupations. Because of this change, the titles and content of major occupational groups and many detailed occupations are substantially different. Several major groups have been renamed, combined, or reorganized. Some individual occupations also have been renamed or classified within different major groups. Some occupations are no longer listed, while newer occupations are listed for the first time with the SOC system. Because of these changes, the 2000-2010 projections are not comparable with earlier sets of projections. Information of the SOC system can be obtained at the U.S. Bureau of Labor Statistics SOC Home Page at <http://www.bls.gov/soc/home.htm>.

HIGHLIGHTS

- ✓ Kentucky River Area employment is expected to grow from 36,562 to 39,712 between 2000 and 2010, a gain of 8.6 percent.
- ✓ Between 2000 and 2010, the total annual job openings are expected to be about 1,229.
- ✓ Growth in employment will make available about 315 job openings annually.
- ✓ Approximately 914 job openings will result from separations from the labor force due to retirement or those who transfer to other jobs.
- ✓ Approximately 25 percent of job openings will result from growth, and the remaining 75 percent will result from separations from the labor force.
- ✓ The greatest number of job openings will be in the Food Preparation and Serving Related Occupations (192), followed by the Office and Administrative Support Occupations (148), and the Healthcare Practitioners and Technical Occupations (123).
- ✓ Particular Occupations with the largest percentage of change from 2000 to 2010 in the Kentucky River Area are Network and Computer Systems Administrators (76%), Emergency Medical Technicians and Paramedics (74%), Industrial Truck and Tractor Operators (72%) and Personal and Home Care Aides (70%).
- ✓ The largest growth rates between 2000 and 2010 are expected to be in the Computer and Mathematical Occupations (49%), the Healthcare Practitioners and Technical Occupations (40%), and the Healthcare Support Occupations (36%).
- ✓ The top two Kentucky River Area occupations with the most annual job openings are Combined Food Preparation and Serving Workers (153) and Cashiers (64).

A USER'S GUIDE TO OCCUPATIONAL OUTLOOK STATISTICS

When looking at an occupation, what key outlook data should you review?

- 1) Total average annual job openings and
- 2) Employment change expressed as a percentage

The total number of job openings estimates the likely annual demand for workers in each occupation. The percentage of employment change shows how much each occupation is likely to grow or decline.

What creates job openings?

- 1) Employment growth (new jobs)
- 2) Employment separations (job vacancies created by persons separating from an occupation)

What causes employment change?

Industrial growth or decline has the greatest influence on employment change. Industrial growth occurs when the demand for goods and services rises and, in turn, the demand for workers to produce those goods and services rises.

Technological change can raise the demand for some skills while eliminating the need for others. As this shift is going on, demand in the industry as a whole may be rising or falling.

New ways of doing business such as self-service, out-sourcing, or 24-hour operations can affect employment change.

Then what about employment separations?

Employment separations are still important when evaluating an occupation's potential outlook. Job openings are created by persons separating from an occupation because of retirements, promotions into different occupations, career changes, or deaths. In many instances, the number of employment separations exceeds new jobs.

Do workers tend to leave one occupation more than another?

Every occupation has a different rate of employment separations. Those occupations that require much education and training and/or have a high percentage of full-time workers tend to have low separation rates. But occupations that require little education and/or training tend to have higher separation rates.

What factors affect the number of job openings for an occupation?

- 1) The overall size of the occupation: How many workers are employed already?
- 2) The occupation's separation rate: How many job vacancies are created from workers separating from the occupation?
- 3) The occupation's rate of change: How fast is it growing or declining?

Which factor is more important?

Size of employment and separation rate are more important than rate of change in affecting the number of job openings.

What is the best way to compare one occupation with another?

- 1) Look at the total average annual job openings, not just openings resulting from growth. A large number of openings means it should be relatively easy to find a job in that occupation.
- 2) Look at the employment change expressed as a percentage. A high percentage increase in employment means that there may be excellent chances for advancement and for earnings increases because demand is likely to remain strong for some time.

Top 47
Kentucky River Area Occupations With The Most Annual Job Openings

		Job Openings		
		Average Annual 2000-2010		
Occupation Code	Occupational Title	Growth	Separations	Total
<u>Management Occupations</u>				
11-1021	General and Operations Managers	2	10	12
11-9111	Medical and Health Services Managers	6	2	8
11-3031	Financial Managers	3	2	5
<u>Community and Social Service Occupations</u>				
21-1093	Social and Human Service Assistants	6	2	8
21-1023	Mental Health & Substance Abuse Social Workers	6	1	7
<u>Education, Training & Library Occupations</u>				
25-9041	Teacher Assistants	8	13	21
25-2021	Elementary School Teachers, Ex. Special Ed.	3	17	20
25-2031	Sec. School Teachers, Ex. Special & Voc. Ed	4	13	17
25-2022	Middle School Teachers, Ex. Special & Voc. Ed	0	8	8
<u>Arts, Design, Entertainment, Sports & Media Occupations</u>				
27-2042	Musicians and Singers	4	4	8
<u>Healthcare Practitioners and Technical Occupations</u>				
29-2041	Emergency Medical Technicians and Paramedics	7	2	9
<u>Protective Service Occupations</u>				
33-9032	Security Guards	3	11	14
<u>Food Preparation and Serving Related Occupations</u>				
35-3021	Combined Food Preparation and Serving Workers	46	107	153
35-1012	Supervisors of Food Prep. and Serving Workers	4	10	14
35-2021	Food Preparation Workers	4	9	13
35-2012	Cooks, Institution and Cafeteria	0	12	12
<u>Building, Grounds Cleaning & Maintenance Occupations</u>				
37-2011	Janitors & Cleaners, Ex. Maids & Housekeeping	6	12	18
37-2012	Maids and Housekeeping Cleaners	2	8	10

Top 47
Kentucky River Area Occupations With The Most Annual Job Openings (cont'd)

<u>Occupation Code</u>	<u>Occupational Title</u>	<u>Job Openings</u>		
		<u>Average Annual 2000-2010</u>		
		<u>Growth</u>	<u>Separations</u>	<u>Total</u>
<u>Sales and Related Occupations</u>				
41-2011	Cashiers	11	53	64
41-2031	Retail Salespersons	2	27	29
41-1011	Supervisors of Retail Sales Workers	3	6	9
<u>Office & Administrative Support Occupations</u>				
43-9061	Office Clerks, General	5	15	20
43-5081	Stock Clerks and Order Fillers	0	13	13
43-6011	Executive Secretaries & Administrative Assistants	6	7	13
43-3021	Billing and Posting Clerks and Machine Operators	6	6	12
43-6014	Secretaries, Except Legal, Medical, and Executive	0	11	11
43-3031	Bookkeeping, Accounting, and Auditing Clerks	1	8	9
43-4051	Customer Service Representatives	6	2	8
43-3071	Tellers	1	6	7
43-4171	Receptionists and Information Clerks	2	4	6
<u>Construction & Extraction Occupations</u>				
47-2073	Operating Engineers & Other Const. Equip. Ops	0	14	14
47-5041	Continuous Mining Machine Operators	0	13	13
47-1011	Supervisors of Construction Trades	0	11	11
47-2061	Construction Laborers	8	2	10
47-5081	Helpers--Extraction Workers	0	9	9
47-2031	Carpenters	5	3	8
47-5061	Roof Bolters, Mining	0	7	7
47-2111	Electricians	0	6	6
<u>Installation, Maintenance & Repair Occupations</u>				
49-3023	Automotive Service Technicians and Mechanics	5	6	11
49-3042	Mobile Heavy Equipment Mechanics, Ex. Engines	0	8	8
49-9042	Maintenance and Repair Workers, General	0	6	6
<u>Productions Occupations</u>				
51-4121	Welders, Cutters, Solderers, and Brazers	3	5	8
<u>Transportation & Material Moving Occupations</u>				
53-3032	Truck Drivers, Heavy and Tractor-Trailer	4	11	15
53-7062	Laborers & Freight, Stock & Material Movers, Hand	0	12	12
53-3022	Bus Drivers, School	0	10	10
53-7032	Excavating & Loading Machine & Dragline Operator	0	8	8
53-7064	Packers and Packagers, Hand	0	8	8

Top 47
Fast-Growing Kentucky River Area Occupations

Occupation Code	Occupational Title	Fast Growing Occupations				Total
		Employment		Change		Job Openings
		Actual 2000	Projected 2010	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010
<u>Management Occupations</u>						
11-9111	Medical and Health Services Managers	143	207	64	44.8	8
11-3011	Administrative Services Managers	86	108	22	25.6	3
11-9151	Social and Community Service Managers	71	87	16	22.5	3
11-9021	Construction Managers	32	39	7	21.9	2
11-3031	Financial Managers	135	163	28	20.7	5
11-9031	Education Admin., Preschool and Child Care Center	33	39	6	18.2	2
<u>Computer and Mathematical Occupations</u>						
15-1071	Network and Computer Systems Administrators	33	58	25	75.8	3
<u>Community and Social Service Occupations</u>						
21-1023	Mental Health & Substance Abuse Social Workers	124	186	62	50.0	7
21-1093	Social and Human Service Assistants	163	223	60	36.8	8
21-1012	Educational, Vocational, and School Counselors	58	68	10	17.2	2
<u>Legal Occupations</u>						
23-1011	Lawyers	58	69	11	19.0	1
<u>Education, Training & Library Occupations</u>						
25-2041	Special Education Teachers, Preschool to Elem.	108	135	27	25.0	4
25-2043	Special Education Teachers, Secondary School	72	83	11	15.3	2
25-2042	Special Education Teachers, Middle School	64	73	9	14.1	2
25-3021	Self-Enrichment Education Teachers	67	76	9	13.4	2
25-9041	Teacher Assistants	643	726	83	12.9	21
<u>Arts, Design, Entertainment, Sports & Media Occupations</u>						
27-2042	Musicians and Singers	206	249	43	20.9	8
<u>Healthcare Practitioners and Technical Occupations</u>						
29-2041	Emergency Medical Technicians and Paramedics	88	153	65	73.9	9
29-2071	Medical Records & Health Info. Technicians	48	73	25	52.1	4
29-2034	Radiologic Technologists and Technicians	92	123	31	33.7	5
29-1063	Internists, General	31	38	7	22.6	2
29-2012	Medical and Clinical Laboratory Technicians	76	90	14	18.4	3
<u>Healthcare Support Occupations</u>						
31-1012	Nursing Aides, Orderlies, and Attendants	460	579	119	25.9	18
<u>Protective Service Occupations</u>						
33-2011	Fire Fighters	51	63	12	23.5	2

Top 47
Fast-Growing Kentucky River Area Occupations (cont'd)

<u>Occupation Code</u>	<u>Occupational Title</u>	<u>Fast Growing Occupations</u>				<u>Total</u>
		<u>Employment</u>	<u>Change</u>	<u>Job Openings</u>		<u>Average Annual</u>
		<u>Actual</u>	<u>Projected</u>	<u>2000-2010</u>	<u>Number</u>	<u>Percent</u>
		<u>2000</u>	<u>2010</u>	<u>Number</u>	<u>Percent</u>	<u>2000-2010</u>
<u>Food Preparation and Serving Related Occupations</u>						
35-3021	Combined Food Preparation and Serving Workers	1,749	2,210	461	26.4	153
35-2021	Food Preparation Workers	237	276	39	16.5	13
<u>Building, Grounds Cleaning & Maintenance Occupations</u>						
37-3011	Landscaping and Groundskeeping Workers	98	111	13	13.3	4
<u>Personal Care and Service Occupations</u>						
39-9021	Personal and Home Care Aides	50	85	35	70.0	5
39-9032	Recreation Workers	46	58	12	26.1	2
<u>Sales and Related Occupations</u>						
41-2021	Counter and Rental Clerks	31	36	5	16.1	3
<u>Office & Administrative Support Occupations</u>						
43-4051	Customer Service Representatives	200	259	59	29.5	8
43-3021	Billing and Posting Clerks and Machine Operators	224	286	62	27.7	12
43-3011	Bill and Account Collectors	37	46	9	24.3	2
43-9022	Word Processors and Typists	76	91	15	19.7	4
43-6011	Executive Secretaries & Administrative Assistants	409	467	58	14.2	13
43-5061	Production, Planning, and Expediting Clerks	31	35	4	12.9	1
43-1011	Supervisors of Office and Administrative	171	192	21	12.3	5
43-4151	Order Clerks	49	55	6	12.2	2
43-9021	Data Entry Keyers	100	112	12	12.0	3
<u>Farming, Fishing & Forestry Occupations</u>						
45-4022	Logging Equipment Operators	35	41	6	17.1	2
<u>Construction & Extraction Occupations</u>						
47-2061	Construction Laborers	253	337	84	33.2	10
47-2031	Carpenters	203	251	48	23.6	8
<u>Installation, Maintenance & Repair Occupations</u>						
49-9021	Heating, Air Conditioning & Refrigeration Mechanics	48	73	25	52.1	4
49-3023	Automotive Service Technicians and Mechanics	242	289	47	19.4	11
<u>Productions Occupations</u>						
51-4121	Welders, Cutters, Solderers, and Brazers	172	198	26	15.1	8
<u>Transportation & Material Moving Occupations</u>						
53-7051	Industrial Truck and Tractor Operators	53	91	38	71.7	5
53-3031	Driver/Sales Workers	154	173	19	12.3	4

Explanation of Data Elements on the Occupational Outlook Table

Occupational Employment Outlook and Job Openings

Occupational		Employment 2000 2010		Job Growth 2000 2010		Average Annual Job Openings			Average Wage	Education/ Training Required *
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total	2001	
<p>• Occupational Codes and Titles used in this report are based on the <i>Standard Occupational Coding (SOC)</i> Structure.</p> <p>NOTE:</p> <p><i>Alphabetical listing beginning on page 32 should help locate a specific occupation within the tables.</i></p>		<p>• Estimated 2000 employment is based on the <i>Occupational Employment Statistics (OES)</i> Survey of employers.</p> <p>• Projected 2010 levels of occupational employment are based on projections of industry employment and projections of occupational change factors between 2000 and 2010.</p> <p>NOTE:</p> <p><i>The Occupational employment estimates for 2000 to 2010 include all classes of workers such as public and private, wage and salaried workers; agricultural workers; private household workers; and self-employed.</i></p>		<p>• Number - The total number of jobs in an occupation gained or lost over the 2000 to 2010 period.</p> <p>• Percent - Percent change in employment in an occupation over the ten year period.</p> <p>NOTE:</p> <p><i>In Kentucky, 16.0 percent job growth between 2000 and 2010 is the average growth for all occupations.</i></p> <p><i>An occupation is expected to experience:</i></p> <ol style="list-style-type: none"> 1) <i>average growth if percent change is between 12 to 18%;</i> 2) <i>very fast growth if > 30%;</i> 3) <i>fast growth if >18% < 30%;</i> 4) <i>slow growth if >5% <12%;</i> 5) <i>very slow growth if >0% <5%;</i> 6) <i>negative or declining growth <0%.</i> 		<p>• Growth openings provide estimates of the average number of job openings expected to occur each year between 2000 and 2010 that result from employment growth.</p> <p>• Separation openings provide estimates of the average number of job openings expected to occur each year in an occupation, resulting from workers separating or leaving the occupation for such reasons as retirement, promotion, or simply transferring among occupations. Such separations would require replacement workers.</p> <p>• Total openings provide estimates of the total number of job openings expected each year from employment growth or job separations.</p> <p>NOTE:</p> <p><i>If employment growth is negative, the total number of job openings will equal the number of separations. They are equal because the number of separations already takes into account the negative employment growth.</i></p>			<p>• Average wage in this report always refers to the 2001 mean average hourly wage.</p> <p>NOTE</p> <p><i>Average hourly wages for each of the teacher occupations in this report were calculated from the average annual wage by assuming the average working months per year was 9.5 and average hours worked per week was 40.</i></p>	<p>• Education and Training Levels Usually Required were developed by the Bureau of Labor Statistics and grouped into eleven levels (1-11).</p> <p>*NOTE</p> <p><i>The various levels are described in detail on page 31 of this report.</i></p>

Kentucky River Area

Management Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
00-0000 Total, All Occupations		36,562	39,712	3,150	8.6	315	914	1,229	n/a	n/a
11-0000 Management Occupations		2,637	2,802	165	6.3	17	44	61	n/a	n/a
11-1000	Top Executives	707	731	24	3.4	2	14	16	n/a	n/a
11-1011	Chief Executives	104	110	6	5.8	1	3	4	45.42	4
11-1021	General and Operations Managers	603	621	18	3.0	2	10	12	28.87	4
11-2000	Advertising, Marketing, Promotions, PR	42	63	21	50.0	2	1	3	n/a	n/a
11-2020	Marketing and Sales Managers	31	49	18	58.1	2	1	3	n/a	n/a
11-2031	Public Relations Managers	*	*	*	*	*	*	*	22.34	4
11-3000	Operations Specialties Managers	305	379	74	24.3	7	5	12	n/a	n/a
11-3011	Administrative Services Managers	86	108	22	25.6	2	1	3	23.91	4
11-3031	Financial Managers	135	163	28	20.7	3	2	5	23.62	4
11-3040	Human Resources Managers	*	*	*	*	*	*	*	23.87	4
11-3051	Industrial Production Managers	*	*	*	*	*	*	*	22.72	5
11-3071	Transportation, Storage & Distribution Managers	*	*	*	*	*	*	*	33.83	8
11-9000	Other Management Occupations	1,583	1,629	46	2.9	5	25	30	n/a	n/a
11-9010	Agricultural Managers	361	293	-68	-18.8	0	2	2	n/a	n/a
11-9012	Farmers and Ranchers	353	287	-66	-18.7	0	2	2	n/a	9
11-9021	Construction Managers	32	39	7	21.9	1	1	2	22.84	5
11-9030	Education Administrators	187	202	15	8.0	2	5	7	n/a	4
11-9031	Education Admin., Preschool & Child Care Center	33	39	6	18.2	1	1	2	11.96	4
11-9032	Education Admin., Elementary, Secondary School	126	131	5	4.0	1	3	4	n/a	4
11-9033	Education Administrators, Postsecondary	*	*	*	*	*	*	*	29.59	4
11-9051	Food Service Managers	*	*	*	*	*	*	*	14.89	8
11-9111	Medical and Health Services Managers	143	207	64	44.8	6	2	8	24.14	4
11-9131	Postmasters and Mail Superintendents	118	109	-9	-7.6	0	2	2	18.53	8
11-9151	Social and Community Service Managers	71	87	16	22.5	2	1	3	21.12	5
11-9199	Managers, All Other	586	607	21	3.6	2	11	13	28.61	8

~ Education/Training Required Codes- Page 31

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Kentucky River Area

Business & Financial Operations Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
13-0000 Business and Financial Operations Occupations		657	746	89	13.5	9	13	22	n/a	n/a
13-1000	Business Operations Specialists	267	314	47	17.6	5	6	11	n/a	n/a
13-1023	Purchasing Agents, Ex. Wholesale, Retail & Farm	*	*	*	*	*	*	*	16.34	5
13-1070	Human Res., Training & Labor Relations Spec	55	61	6	10.9	1	1	2	n/a	n/a
13-1072	Compensation, Benefits & Job Analysis Spec	*	*	*	*	*	*	*	16.70	5
13-1073	Training and Development Specialists	*	*	*	*	*	*	*	20.65	5
13-1199	Business Operations Specialists, All Other	83	91	8	9.6	1	2	3	18.27	5
13-2000	Financial Specialists	390	432	42	10.8	4	7	11	n/a	n/a

~ Education/Training Required Codes- Page 31

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Kentucky River Area

Computer & Mathematical Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
15-0000	Computer and Mathematical Occupations	631	940	309	49.0	31	3	34	n/a	n/a
15-1000	Computer Specialists	629	938	309	49.1	31	3	34	n/a	n/a
15-1071	Network and Computer Systems Administrators	33	58	25	75.8	3	0	3	19.77	5
15-1099	Computer Specialists, All Other	*	*	*	*	*	*	*	13.86	7
15-2000	Mathematical Scientists	*	*	*	*	*	*	*	n/a	n/a

~ Education/Training Required Codes- Page 31

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Kentucky River Area

Architecture & Engineering Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change 2000-2010		Job Openings Average Annual 2000-2010			Average Wage 2001	Educ/ Training Req'd~
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total		
17-0000	Architecture and Engineering Occupations	276	290	14	5.1	1	7	8	n/a	n/a
17-1000	Architects, Surveyors, and Cartographers	*	*	*	*	*	*	*	n/a	n/a
17-2000	Engineers	97	96	-1	-1.0	0	2	2	n/a	n/a
17-2151	Mining & Geological Engineers, Inc. Mining Safety	39	33	-6	-15.4	0	1	1	29.94	5
17-3000	Drafters, Engineering & Mapping Technicians	172	186	14	8.1	1	4	5	n/a	n/a
17-3020	Engineering Technicians, Except Drafters	74	65	-9	-12.2	0	1	1	n/a	n/a
17-3099	Drafters, Engineering & Mapping Tech., All Other	*	*	*	*	*	*	*	15.09	6

~ Education/Training Required Codes- Page 31

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Kentucky River Area

Life, Physical & Social Science Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
19-0000 Life, Physical, and Social Science Occupations		212	238	26	12.3	3	6	9	n/a	n/a
19-1000	Life Scientists	*	*	*	*	*	*	*	n/a	n/a
19-2000	Physical Scientists	39	40	1	2.6	0	1	1	n/a	n/a
19-3000	Social Scientists and Related Workers	58	72	14	24.1	1	1	2	n/a	n/a
19-3031	Clinical, Counseling, and School Psychologists	*	*	*	*	*	*	*	22.31	3
19-4000	Life, Physical, and Social Science Technicians	85	97	12	14.1	1	2	3	n/a	n/a
19-4090	Misc. Life, Physical & Social Science Tech.	33	38	5	15.2	1	1	2	n/a	n/a
19-4099	Life, Physical & Social Science Tech, All Other	*	*	*	*	*	*	*	20.04	6

~ Education/Training Required Codes- Page 31

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Kentucky River Area

Community & Social Service Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
21-0000	Community and Social Services Occupations	1,298	1,541	243	18.7	24	22	46	n/a	n/a
21-1000	Counselor, Social Work. & Community Work.	950	1,145	195	20.5	20	13	33	n/a	n/a
21-1010	Counselors	173	195	22	12.7	2	4	6	n/a	n/a
21-1012	Educational, Vocational, and School Counselors	58	68	10	17.2	1	1	2	22.33	3
21-1020	Social Workers	601	713	112	18.6	11	7	18	n/a	n/a
21-1022	Medical and Public Health Social Workers	*	*	*	*	*	*	*	15.56	5
21-1023	Mental Health & Substance Abuse Social Workers	124	186	62	50.0	6	1	7	13.41	n/a
21-1090	Misc. Community and Social Service Specialists	176	237	61	34.7	6	3	9	n/a	n/a
21-1093	Social and Human Service Assistants	163	223	60	36.8	6	2	8	10.90	10
21-2000	Religious Workers	321	364	43	13.4	4	8	12	n/a	n/a
21-9000	Misc. Counselors, Social & Religious Workers	*	*	*	*	*	*	*	n/a	n/a

~ Education/Training Required Codes- Page 31

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Kentucky River Area

Legal Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
23-0000	Legal Occupations	153	183	30	19.6	3	1	4	n/a	n/a
23-1000	Lawyers, Judges, and Related Workers	60	71	11	18.3	1	1	2	n/a	n/a
23-1011	Lawyers	58	69	11	19.0	1	0	1	43.26	1
23-2000	Legal Support Workers	78	95	17	21.8	2	1	3	n/a	n/a
23-9000	Miscellaneous Legal & Related Workers	*	*	*	*	*	*	*	n/a	n/a
23-9099	Legal and Related Workers, All Other	*	*	*	*	*	*	*	15.74	5

~ Education/Training Required Codes- Page 31

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Kentucky River Area

Education, Training & Library Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number Percent		Average Annual 2000-2010 Growth Separations Total				
25-0000	Education, Training, and Library Occupations	3,605	3,992	387	10.7	39	76	115	n/a	n/a
25-1000	Postsecondary Teachers	430	544	114	26.5	11	12	23	n/a	n/a
25-1190	Miscellaneous Postsecondary Teachers	299	382	83	27.8	8	8	16	n/a	n/a
25-2000	Primary, Secondary & Special Ed. Teachers	1,945	2,077	132	6.8	13	43	56	n/a	n/a
25-2010	Preschool and Kindergarten Teachers	176	192	16	9.1	2	2	4	n/a	n/a
25-2011	Preschool Teachers, Except Special Education	133	148	15	11.3	2	2	4	8.45	5
25-2012	Kindergarten Teachers, Except Special Ed. #	43	44	1	2.3	0	1	1	24.89	5
25-2020	Elementary and Middle School Teachers	1,077	1,107	30	2.8	3	25	28	n/a	n/a
25-2021	Elementary School Teachers, Ex. Special Ed. #	737	765	28	3.8	3	17	20	24.96	5
25-2022	Middle School Teachers, Ex. Special & Voc. Ed #	340	342	2	0.6	0	8	8	23.37	5
25-2030	Secondary School Teachers	448	487	39	8.7	4	14	18	n/a	n/a
25-2031	Sec. School Teachers, Ex. Special & Voc. Ed #	412	449	37	9.0	4	13	17	24.58	5
25-2040	Special Education Teachers	244	291	47	19.3	5	3	8	n/a	n/a
25-2041	Special Education Teachers, Preschool to Elem. #	108	135	27	25.0	3	1	4	24.89	5
25-2042	Special Education Teachers, Middle School #	64	73	9	14.1	1	1	2	23.06	5
25-2043	Special Education Teachers, Secondary School #	72	83	11	15.3	1	1	2	23.68	5
25-3000	Other Teachers and Instructors	477	532	55	11.5	6	5	11	n/a	n/a
25-3021	Self-Enrichment Education Teachers	67	76	9	13.4	1	1	2	18.63	8
25-3999	Teachers, Primary, Secondary & Adult, All Other #	397	440	43	10.8	4	4	8	14.46	5
25-4000	Librarians, Curators, and Archivists	81	78	-3	-3.7	0	2	2	n/a	n/a
25-4021	Librarians	63	59	-4	-6.3	0	1	1	19.22	3
25-4031	Library Technicians	*	*	*	*	*	*	*	8.26	11
25-9000	Other Education, Training & Library Occs	672	761	89	13.2	9	14	23	n/a	n/a
25-9031	Instructional Coordinators	*	*	*	*	*	*	*	26.20	3
25-9041	Teacher Assistants #	643	726	83	12.9	8	13	21	10.40	11

~ Education/Training Required Codes- Page 31

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Average hourly wages for teacher occupations were calculated by assuming the average working months per year was 9.5 and hours worked per week was 40.

Kentucky River Area

Arts, Design, Entertainment, Sports & Media Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
27-0000	Arts, Design, Entertain., Sports & Media Occs	406	479	73	18.0	7	9	16	n/a	n/a
27-1000	Art and Design Workers	*	*	*	*	*	*	*	n/a	n/a
27-2000	Entertainers, Performers, Sports & Related	255	307	52	20.4	5	5	10	n/a	n/a
27-2040	Musicians, Singers, and Related Workers	246	294	48	19.5	5	5	10	n/a	n/a
27-2042	Musicians and Singers	206	249	43	20.9	4	4	8	n/a	9
27-3000	Media and Communication Workers	84	91	7	8.3	1	2	3	n/a	n/a
27-3020	News Analysts, Reporters and Correspondents	37	35	-2	-5.4	0	1	1	n/a	9
27-3031	Public Relations Specialists	*	*	*	*	*	*	*	17.11	5
27-3041	Editors	*	*	*	*	*	*	*	9.97	5
27-4000	Media & Communication Equipment Workers	49	58	9	18.4	1	1	2	n/a	n/a
27-4012	Broadcast Technicians	*	*	*	*	*	*	*	13.86	7

~ Education/Training Required Codes- Page 31

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Kentucky River Area

Healthcare Practitioners & Technical Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
29-0000	Healthcare Practitioners & Tech. Occupations	1,958	2,749	791	40.4	79	44	123	n/a	n/a
29-1000	Health Diagnosing and Treating Practitioners	1,054	1,547	493	46.8	49	22	71	n/a	n/a
29-1060	Physicians and Surgeons	63	87	24	38.1	2	1	3	n/a	1
29-1062	Family and General Practitioners	*	*	*	*	*	*	*	66.20	1
29-1063	Internists, General	31	38	7	22.6	1	1	2	65.07	1
29-1071	Physician Assistants	*	*	*	*	*	*	*	31.82	5
29-1120	Therapists	144	222	78	54.2	8	4	12	n/a	n/a
29-1127	Speech-Language Pathologists	*	*	*	*	*	*	*	20.97	3
29-2000	Health Technologists and Technicians	818	1,116	298	36.4	30	20	50	n/a	n/a
29-2010	Clinical Laboratory Technologists & Technicians	108	133	25	23.1	3	3	6	n/a	n/a
29-2012	Medical and Clinical Laboratory Technicians	76	90	14	18.4	1	2	3	12.67	6
29-2030	Diagnostic Related Technologists & Technicians	99	132	33	33.3	3	2	5	n/a	n/a
29-2034	Radiologic Technologists and Technicians	92	123	31	33.7	3	2	5	16.81	6
29-2041	Emergency Medical Technicians and Paramedics	88	153	65	73.9	7	2	9	7.98	7
29-2050	Health Diagnosing & Treating Pract. Support Tech.	98	161	63	64.3	6	3	9	n/a	n/a
29-2071	Medical Records & Health Info. Technicians	48	73	25	52.1	3	1	4	9.18	6
29-9000	Other Healthcare Practitioners & Tech. Occs	86	86	0	0.0	0	2	2	n/a	n/a

~ Education/Training Required Codes- Page 31

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Kentucky River Area

Healthcare Support Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
31-0000 Healthcare Support Occupations		747	1,013	266	35.6	27	12	39	n/a	n/a
31-1000	Nursing, Psychiatric, and Home Health Aides	537	707	170	31.7	17	7	24	n/a	n/a
31-1010	Nursing, Psychiatric, and Home Health Aides	537	707	170	31.7	17	7	24	n/a	n/a
31-1011	Home Health Aides	*	*	*	*	*	*	*	8.66	11
31-1012	Nursing Aides, Orderlies, and Attendants	460	579	119	25.9	12	6	18	7.81	11
31-2000	Occupational & Physical Therapist Assistants	*	*	*	*	*	*	*	n/a	n/a
31-9000	Other Healthcare Support Occupations	180	261	81	45.0	8	4	12	n/a	n/a
31-9090	Miscellaneous Healthcare Support Occupations	177	257	80	45.2	8	4	12	n/a	n/a

~ Education/Training Required Codes- Page 31

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Kentucky River Area

Protective Service Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
		2000	2010	2000-2010		Average Annual 2000-2010				
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total		
33-0000 Protective Service Occupations		647	721	74	11.4	7	18	25	n/a	n/a
33-1000	Supervisors, Protective Service Workers	*	*	*	*	*	*	*	n/a	n/a
33-2000	Fire Fighting and Prevention Workers	53	65	12	22.6	1	1	2	n/a	n/a
33-2011	Fire Fighters	51	63	12	23.5	1	1	2	12.20	9
33-3000	Law Enforcement Workers	160	196	36	22.5	4	3	7	n/a	n/a
33-3012	Correctional Officers and Jailers	*	*	*	*	*	*	*	11.58	10
33-9000	Other Protective Service Workers	417	442	25	6.0	3	13	16	n/a	n/a
33-9032	Security Guards	385	410	25	6.5	3	11	14	6.27	11

~ Education/Training Required Codes- Page 31

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Kentucky River Area

Food Prep. & Serving Related Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
35-0000	Food Prep. & Serving Related Occupations	2,857	3,370	513	18.0	51	141	192	n/a	n/a
35-1000	Supervisors, Food Prep. and Serving Workers	385	421	36	9.4	4	10	14	n/a	n/a
35-1010	Supervisors, Food Prep. & Serving Workers	385	421	36	9.4	4	10	14	n/a	n/a
35-1012	Supervisors of Food Prep. and Serving Workers	382	418	36	9.4	4	10	14	10.98	8
35-2000	Cooks and Food Preparation Workers	667	683	16	2.4	2	21	23	n/a	n/a
35-2010	Cooks	430	407	-23	-5.3	0	12	12	n/a	n/a
35-2012	Cooks, Institution and Cafeteria	415	390	-25	-6.0	0	12	12	7.57	9
35-2021	Food Preparation Workers	237	276	39	16.5	4	9	13	6.55	11
35-3000	Food and Beverage Serving Workers	1,769	2,232	463	26.2	46	108	154	n/a	n/a
35-3020	Fast Food and Counter Workers	1,757	2,219	462	26.3	46	108	154	n/a	n/a
35-3021	Combined Food Preparation and Serving Workers	1,749	2,210	461	26.4	46	107	153	6.57	11
35-9000	Other Food Prep. & Serving Related Workers	36	34	-2	-5.6	0	1	1	n/a	n/a

~ Education/Training Required Codes- Page 31

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Kentucky River Area

Building, Grounds Cleaning & Maintenance Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change 2000-2010		Job Openings Average Annual 2000-2010			Average Wage 2001	Educ/ Training Req'd~
Code	Title	Estimated	Projected	Number	Percent	Growth	Separations	Total		
37-0000	Building, Grounds Cleaning & Maint. Occs	1,231	1,344	113	9.2	11	25	36	n/a	n/a
37-1000	Supervisors, Building, Grounds Clean. & Maint	53	57	4	7.5	0	1	1	n/a	n/a
37-1010	Supervisors, Building and Grounds Cleaning	53	57	4	7.5	0	1	1	n/a	n/a
37-1011	Supervisors of Housekeeping and Janitorial	42	44	2	4.8	0	1	1	11.26	8
37-1012	Supervisors of Landscaping, Lawn Service	*	*	*	*	*	*	*	17.21	8
37-2000	Building Cleaning and Pest Control Workers	1,030	1,117	87	8.4	9	20	29	n/a	n/a
37-2010	Building Cleaning Workers	1,014	1,096	82	8.1	8	20	28	n/a	n/a
37-2011	Janitors & Cleaners, Ex. Maids & Housekeeping	656	716	60	9.1	6	12	18	7.91	11
37-2012	Maids and Housekeeping Cleaners	358	380	22	6.1	2	8	10	6.90	11
37-3000	Grounds Maintenance Workers	133	153	20	15.0	2	3	5	n/a	n/a
37-3010	Grounds Maintenance Workers	133	153	20	15.0	2	3	5	n/a	n/a
37-3011	Landscaping and Groundskeeping Workers	98	111	13	13.3	1	3	4	8.96	11
37-9000	Misc. Building, Grounds Cleaning & Maint.	*	*	*	*	*	*	*	n/a	n/a

~ Education/Training Required Codes- Page 31

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Kentucky River Area

Personal Care & Service Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
39-0000	Personal Care and Service Occupations	1,008	1,210	202	20.0	20	32	52	n/a	n/a
39-1000	Supervisors, Personal Care & Service Worker	*	*	*	*	*	*	*	n/a	n/a
39-2000	Animal Care and Service Workers	*	*	*	*	*	*	*	n/a	n/a
39-3000	Entertainment Attendants & Related Workers	*	*	*	*	*	*	*	n/a	n/a
39-4000	Funeral Service Workers	*	*	*	*	*	*	*	n/a	n/a
39-5000	Personal Appearance Workers	33	35	2	6.1	0	1	1	n/a	n/a
39-5010	Barbers and Cosmetologists	33	35	2	6.1	0	1	1	n/a	n/a
39-9000	Other Personal Care and Service Workers	922	1,114	192	20.8	19	30	49	n/a	n/a
39-9021	Personal and Home Care Aides	50	85	35	70.0	4	1	5	6.50	11
39-9032	Recreation Workers	46	58	12	26.1	1	1	2	10.56	5

~ Education/Training Required Codes- Page 31

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Kentucky River Area

Sales and Related Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
41-0000	Sales and Related Occupations	2,633	2,804	171	6.5	17	96	113	n/a	n/a
41-1000	Supervisors, Sales Workers	408	439	31	7.6	3	6	9	n/a	n/a
41-1010	First-Line Supervisors/Managers, Sales Workers	408	439	31	7.6	3	6	9	n/a	n/a
41-1011	Supervisors of Retail Sales Workers	385	411	26	6.8	3	6	9	10.64	8
41-2000	Retail Sales Workers	1,929	2,049	120	6.2	12	82	94	n/a	n/a
41-2011	Cashiers	1,164	1,270	106	9.1	11	53	64	6.30	11
41-2020	Counter, Rental Clerks and Parts Salespersons	60	58	-2	-3.3	0	2	2	n/a	n/a
41-2021	Counter and Rental Clerks	31	36	5	16.1	1	2	3	7.07	11
41-2022	Parts Salespersons	*	*	*	*	*	*	*	12.16	10
41-2031	Retail Salespersons	705	721	16	2.3	2	27	29	7.38	11
41-3000	Sales Representatives, Services	37	36	-1	-2.7	0	1	1	n/a	n/a
41-3011	Advertising Sales Agents	*	*	*	*	*	*	*	20.24	10
41-4000	Sales Reps, Wholesale and Manufacturing	147	154	7	4.8	1	4	5	n/a	n/a
41-4010	Sales Reps, Wholesale and Manufacturing	147	154	7	4.8	1	4	5	n/a	n/a
41-4012	Sales Reps, Wholesale & Manufacturing, Ex. Tech	133	137	4	3.0	0	4	4	20.42	10
41-9000	Other Sales and Related Workers	112	126	14	12.5	1	3	4	n/a	n/a
41-9090	Miscellaneous Sales and Related Workers	88	101	13	14.8	1	2	3	n/a	n/a
41-9099	Sales and Related Workers, All Other	33	38	5	15.2	1	1	2	8.96	10

~ Education/Training Required Codes- Page 31

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Kentucky River Area

Office & Administrative Support Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2000-2010 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
43-0000 Office and Administrative Support Occupations		5,377	5,673	296	5.5	30	118	148	n/a	n/a
43-1000	Supervisors, Office & Admin. Support Worker	171	192	21	12.3	2	3	5	n/a	n/a
43-1011	Supervisors of Office and Administrative	171	192	21	12.3	2	3	5	18.63	8
43-2000	Communications Equipment Operators	81	67	-14	-17.3	0	3	3	n/a	n/a
43-2011	Switchboard Operators, Inc. Answering Service	64	47	-17	-26.6	0	2	2	8.53	11
43-3000	Financial Clerks	856	939	83	9.7	8	22	30	n/a	n/a
43-3011	Bill and Account Collectors	37	46	9	24.3	1	1	2	9.35	11
43-3021	Billing and Posting Clerks and Machine Operators	224	286	62	27.7	6	6	12	10.10	11
43-3031	Bookkeeping, Accounting, and Auditing Clerks	394	399	5	1.3	1	8	9	10.58	10
43-3051	Payroll and Timekeeping Clerks	64	63	-1	-1.6	0	2	2	11.50	11
43-3061	Procurement Clerks	*	*	*	*	*	*	*	9.89	11
43-3071	Tellers	122	131	9	7.4	1	6	7	10.35	11
43-4000	Information and Record Clerks	627	751	124	19.8	12	11	23	n/a	n/a
43-4051	Customer Service Representatives	200	259	59	29.5	6	2	8	10.58	10
43-4151	Order Clerks	49	55	6	12.2	1	1	2	11.05	11
43-4161	Human Res. Assist., Ex. Payroll & Timekeep.	*	*	*	*	*	*	*	12.28	11
43-4171	Receptionists and Information Clerks	192	213	21	10.9	2	4	6	9.18	11
43-4999	Financial, Information & Record Clerks, All Other	38	37	-1	-2.6	0	1	1	12.31	11
43-5000	Material Record, Schedule, Dispatch	1,522	1,457	-65	-4.3	0	42	42	n/a	n/a
43-5030	Dispatchers	58	72	14	24.1	1	1	2	n/a	n/a
43-5050	Postal Service Workers	195	179	-16	-8.2	0	5	5	n/a	n/a
43-5051	Postal Service Clerks	49	45	-4	-8.2	0	1	1	17.44	11
43-5052	Postal Service Mail Carriers	60	55	-5	-8.3	0	2	2	17.53	11
43-5053	Postal Service Mail Sorter, Processing Machine	86	79	-7	-8.1	0	2	2	11.38	11
43-5061	Production, Planning, and Expediting Clerks	31	35	4	12.9	0	1	1	12.08	11
43-5071	Shipping, Receiving, and Traffic Clerks	140	146	6	4.3	1	3	4	9.04	11
43-5081	Stock Clerks and Order Fillers	348	333	-15	-4.3	0	13	13	7.80	11
43-5111	Weigher, Measurer, Checker & Sampler, Records	*	*	*	*	*	*	*	7.57	11
43-6000	Secretaries and Administrative Assistants	1,136	1,211	75	6.6	8	19	27	n/a	n/a
43-6010	Secretaries and Administrative Assistants	1,136	1,211	75	6.6	8	19	27	n/a	n/a
43-6011	Executive Secretaries & Administrative Assistants	409	467	58	14.2	6	7	13	15.15	10
43-6014	Secretaries, Except Legal, Medical, and Executive	618	618	0	0.0	0	11	11	11.22	10
43-9000	Other Office & Administrative Support Worker	984	1,056	72	7.3	7	19	26	n/a	n/a
43-9020	Data Entry and Information Processing Workers	176	203	27	15.3	3	3	6	n/a	n/a
43-9021	Data Entry Keyers	100	112	12	12.0	1	2	3	6.96	10
43-9022	Word Processors and Typists	76	91	15	19.7	2	2	4	11.45	10
43-9061	Office Clerks, General	756	802	46	6.1	5	15	20	8.62	11

Kentucky River Area

Farming, Fishing & Forestry Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number	2010-2000 Percent	Average Annual 2000-2010				
						Growth	Separations	Total		
45-0000	Farming, Fishing, and Forestry Occupations	162	168	6	3.7	1	4	5	n/a	n/a
45-1000	Supervisors, Farm, Fish & Forestry Workers	*	*	*	*	*	*	*	n/a	n/a
45-2000	Agricultural Workers	*	*	*	*	*	*	*	n/a	n/a
45-3000	Fishing and Hunting Workers	32	34	2	6.3	0	1	1	n/a	n/a
45-3010	Fishers and Related Fishing Workers	32	34	2	6.3	0	1	1	n/a	n/a
45-4000	Forest, Conservation, and Logging Workers	106	111	5	4.7	1	2	3	n/a	n/a
45-4020	Logging Workers	102	109	7	6.9	1	2	3	n/a	n/a
45-4021	Fallers	54	55	1	1.9	0	1	1	10.98	10
45-4022	Logging Equipment Operators	35	41	6	17.1	1	1	2	10.49	10
45-9000	Other Farming, Fishing, and Forestry Workers	*	*	*	*	*	*	*	n/a	n/a

~ Education/Training Required Codes- Page 31

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Kentucky River Area

Construction & Extraction Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010 Number Percent		Average Annual 2000-2010 Growth Separations Total				
47-0000	Construction and Extraction Occupations	3,524	3,011	-513	-14.6	0	89	89	n/a	n/a
47-1000	Supervisors, Const. & Extraction Workers	466	422	-44	-9.4	0	11	11	n/a	n/a
47-1011	Supervisors of Construction Trades	466	422	-44	-9.4	0	11	11	21.26	8
47-2000	Construction Trades Workers	1,565	1,501	-64	-4.1	0	28	28	n/a	n/a
47-2031	Carpenters	203	251	48	23.6	5	3	8	10.82	9
47-2061	Construction Laborers	253	337	84	33.2	8	2	10	9.17	10
47-2070	Construction Equipment Operators	643	452	-191	-29.7	0	14	14	n/a	n/a
47-2073	Operating Engineers & Other Const. Equip. Ops	640	449	-191	-29.8	0	14	14	14.42	10
47-2111	Electricians	322	290	-32	-9.9	0	6	6	15.32	9
47-2150	Pipelayers, Plumbers, Pipefitters, and Steamfitters	48	55	7	14.6	1	1	2	n/a	n/a
47-2152	Plumbers, Pipefitters, and Steamfitters	42	46	4	9.5	0	1	1	11.63	9
47-3000	Helpers, Construction Trades	40	83	43	107.5	4	2	6	n/a	n/a
47-3010	Helpers, Construction Trades	40	83	43	107.5	4	2	6	n/a	n/a
47-4000	Other Construction and Related Workers	185	196	11	5.9	1	3	4	n/a	n/a
47-5000	Extraction Workers	1,268	809	-459	-36.2	0	45	45	n/a	n/a
47-5010	Derrick, Rotary Drill & Service Unit Ops, Oil, Gas	107	101	-6	-5.6	0	4	4	n/a	n/a
47-5021	Earth Drillers, Except Oil and Gas	102	69	-33	-32.4	0	2	2	11.94	10
47-5031	Explosives Worker, Ordnance Handling Experts	92	66	-26	-28.3	0	3	3	13.67	n/a
47-5040	Mining Machine Operators	527	311	-216	-41.0	0	18	18	n/a	n/a
47-5041	Continuous Mining Machine Operators	369	217	-152	-41.2	0	13	13	16.04	n/a
47-5042	Mine Cutting and Channeling Machine Operators	155	92	-63	-40.6	0	5	5	12.64	n/a
47-5061	Roof Bolters, Mining	186	109	-77	-41.4	0	7	7	15.08	n/a
47-5081	Helpers--Extraction Workers	191	111	-80	-41.9	0	9	9	13.04	n/a
47-5099	Extraction Workers, All Other	38	22	-16	-42.1	0	1	1	15.10	n/a

~ Education/Training Required Codes- Page 31

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Kentucky River Area

Installation, Maintenance & Repair Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
49-0000	Installation, Maintenance & Repair Occupations	1,989	1,919	-70	-3.5	0	46	46	n/a	n/a
49-1000	Supervisors of Install, Maint. & Repair Worker	114	120	6	5.3	1	3	4	n/a	n/a
49-1011	Supervisors of Mechanics, Installers	114	120	6	5.3	1	3	4	18.80	8
49-2000	Electrical & Electronic Equip Mechanic	100	103	3	3.0	0	2	2	n/a	n/a
49-2022	Telecom. Equipment Installers and Repairers	46	42	-4	-8.7	0	1	1	17.18	7
49-2090	Miscellaneous Electrical & Electronic Equipment	40	46	6	15.0	1	1	2	n/a	n/a
49-3000	Vehicle & Mobile Equip. Mechanics, Installers	842	847	5	0.6	1	22	23	n/a	n/a
49-3020	Automotive Technicians and Repairers	258	305	47	18.2	5	6	11	n/a	n/a
49-3023	Automotive Service Technicians and Mechanics	242	289	47	19.4	5	6	11	7.69	7
49-3031	Bus & Truck Mechanics & Diesel Engine Spec.	116	121	5	4.3	1	3	4	13.22	7
49-3040	Heavy Vehicle & Mobile Equipment Service Tech	304	223	-81	-26.6	0	8	8	n/a	n/a
49-3042	Mobile Heavy Equipment Mechanics, Ex. Engines	297	219	-78	-26.3	0	8	8	17.57	7
49-9000	Other Installation, Maint. & Repair Occupations	933	849	-84	-9.0	0	19	19	n/a	n/a
49-9010	Control and Valve Installers and Repairers	97	124	27	27.8	3	3	6	n/a	n/a
49-9021	Heating, Air Conditioning & Refrigeration Mech.	48	73	25	52.1	3	1	4	9.36	9
49-9040	Industrial Mach. Installation, Repair & Main.	630	483	-147	-23.3	0	11	11	n/a	n/a
49-9042	Maintenance and Repair Workers, General	445	349	-96	-21.6	0	6	6	13.01	n/a
49-9043	Maintenance Workers, Machinery	135	83	-52	-38.5	0	4	4	14.64	9
49-9050	Line Installers and Repairers	77	83	6	7.8	1	2	3	n/a	9
49-9051	Electrical Power-Line Installers and Repairers	33	36	3	9.1	0	1	1	17.50	9
49-9090	Misc. Installation, Maintenance & Repair Workers	64	68	4	6.3	0	3	3	n/a	n/a
49-9098	Helpers--Install, Maint & Repair Workers	36	39	3	8.3	0	2	2	9.70	11

~ Education/Training Required Codes- Page 31

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Kentucky River Area

Production Occupations

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
51-0000	Production Occupations	1,448	1,531	83	5.7	8	36	44	n/a	n/a
51-1000	Supervisors, Production Workers	122	117	-5	-4.1	0	3	3	n/a	n/a
51-1011	Supervisors of Production and Operating	122	117	-5	-4.1	0	3	3	20.75	8
51-2000	Assemblers and Fabricators	249	310	61	24.5	6	5	11	n/a	n/a
51-2090	Miscellaneous Assemblers and Fabricators	182	264	82	45.1	8	3	11	n/a	n/a
51-3000	Food Processing Workers	92	79	-13	-14.1	0	2	2	n/a	n/a
51-4000	Metal Workers and Plastic Workers	224	266	42	18.8	4	6	10	n/a	n/a
51-4120	Welding, Soldering, and Brazing Workers	177	203	26	14.7	3	5	8	n/a	n/a
51-4121	Welders, Cutters, Solderers, and Brazers	172	198	26	15.1	3	5	8	13.08	7
51-5000	Printing Workers	*	*	*	*	*	*	*	n/a	n/a
51-6000	Textile, Apparel, and Furnishings Workers	235	208	-27	-11.5	0	5	5	n/a	n/a
51-6050	Tailors, Dressmakers, and Sewers	109	91	-18	-16.5	0	3	3	n/a	n/a
51-7000	Woodworkers	127	183	56	44.1	6	5	11	n/a	n/a
51-7040	Woodworking Machine Setter, Operator & Tenders	127	183	56	44.1	6	5	11	n/a	n/a
51-8000	Plant and System Operators	117	150	33	28.2	3	4	7	n/a	n/a
51-9000	Other Production Occupations	277	211	-66	-23.8	0	6	6	n/a	n/a
51-9020	Crushing, Grinding, Polishing, Mixing & Blending	33	34	1	3.0	0	1	1	n/a	n/a
51-9061	Inspector, Tester, Sorter, Sampler & Weighers	152	109	-43	-28.3	0	3	3	17.19	10
51-9190	Miscellaneous Production Workers	62	34	-28	-45.2	0	1	1	n/a	n/a

~ Education/Training Required Codes- Page 31

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Kentucky River Area

Transportation & Material Moving Occs.

Occupational Employment Outlook and Job Openings

Occupational		Employment*		Change		Job Openings			Average Wage 2001	Educ/ Training Req'd~
Code	Title	2000 Estimated	2010 Projected	2000-2010		Average Annual 2000-2010				
				Number	Percent	Growth	Separations	Total		
53-0000	Transportation & Material Moving Occupations	3,106	2,988	-118	-3.8	0	73	73	n/a	n/a
53-1000	Supervisors, Transp. & Material Moving	76	73	-3	-3.9	0	2	2	n/a	n/a
53-1031	Supervisors/Managers of Transportation	47	50	3	6.4	0	1	1	15.74	8
53-2000	Air Transportation Workers	*	*	*	*	*	*	*	n/a	n/a
53-3000	Motor Vehicle Operators	1,569	1,675	106	6.8	11	27	38	n/a	n/a
53-3020	Bus Drivers	461	490	29	6.3	3	12	15	n/a	n/a
53-3022	Bus Drivers, School	383	358	-25	-6.5	0	10	10	11.16	11
53-3030	Driver/Sales Workers and Truck Drivers	1,097	1,173	76	6.9	8	15	23	n/a	n/a
53-3031	Driver/Sales Workers	154	173	19	12.3	2	2	4	10.80	11
53-3032	Truck Drivers, Heavy and Tractor-Trailer	760	799	39	5.1	4	11	15	11.69	10
53-3033	Truck Drivers, Light or Delivery Services	*	*	*	*	*	*	*	13.47	11
53-4000	Rail Transportation Workers	68	49	-19	-27.9	0	3	3	n/a	n/a
53-4010	Locomotive Engineers and Operators	33	27	-6	-18.2	0	1	1	n/a	n/a
53-5000	Water Transportation Workers	*	*	*	*	*	*	*	n/a	n/a
53-6000	Other Transportation Workers	*	*	*	*	*	*	*	n/a	n/a
53-7000	Material Moving Workers	1,376	1,173	-203	-14.8	0	41	41	n/a	n/a
53-7030	Dredge, Excavating & Loading Machine Operators	422	257	-165	-39.1	0	12	12	n/a	n/a
53-7032	Excavating, Loading Machine & Dragline Operator	254	161	-93	-36.6	0	8	8	13.01	10
53-7033	Loading Machine Operators, Underground Mining	168	96	-72	-42.9	0	5	5	14.93	n/a
53-7051	Industrial Truck and Tractor Operators	53	91	38	71.7	4	1	5	11.46	11
53-7060	Laborers and Material Movers, Hand	696	671	-25	-3.6	0	21	21	n/a	n/a
53-7062	Laborers & Freight, Stock & Material Movers, Hand	344	325	-19	-5.5	0	12	12	7.67	11
53-7063	Machine Feeders and Offbearers	*	*	*	*	*	*	*	10.32	11
53-7064	Packers and Packagers, Hand	297	276	-21	-7.1	0	8	8	5.95	11
53-7110	Shuttle Car Operators	124	71	-53	-42.7	0	3	3	n/a	n/a
53-7111	Shuttle Car Operators	124	71	-53	-42.7	0	3	3	15.34	n/a

~ Education/Training Required Codes- Page 31

n/a - Not Available

* Employment under 30 and unreliable data suppressed

Source: Kentucky Education Cabinet, Department for Employment Services, Research and Statistics Branch

Educational Classifications

Occupations are classified into one of eleven categories listed according to these principles:

- An occupation is placed into the category that best describes the education or training needed by most workers to become fully qualified.
- Postsecondary awards, if generally needed for entry into the occupation, take precedence over work-related training even though additional skills or experience may be needed for a worker to become fully qualified.
- The length of time an average worker generally needs to become fully qualified through a combination of on-the-job training and experience is used to categorize occupations in which a post secondary award generally is needed for entry.

Postsecodary awards

(1) *First professional degree.* Completion of the degree usually requires at least 3 years of full-time academic study beyond a bachelor's degree.

(2) *Doctoral degree.* Completion of a Ph.D. or other doctoral degree usually requiries at least 3 years of full-time academic study beyond a bachelor's degree.

(3) *Master's degree.* Completion of the degree usually requires 1 or 2 years of full time academic study beyond a bachelor's degree.

(4) *Bachelor's degree.* Completion of the degree generally requires at least 4 years, but not more than 5 years, of full-time academic study.

(5) *Bachelor's or higher degree, plus work experience.* Most occupations in this category are management occupations. All require experience in a related non-management position for which a bachelor's or higher degree is usually required.

(6) *Associate degree.* Completion of the degree usually requires at least 2 years of full-time academic study.

(7) *Postsecondary vocational awards.* Some programs last only a few weeks while others may last more than a year. Programs lead to a certificate or other award, but not a degree.

Work-related training

(8) *Work experience in a related occupation.* Many occupations requiring work experience are first-line supervisors/managers of service, sales and related, production, or other occupations, or are management occupations.

(9) *Long-term on-the-job training.* More than 12 months on on-the-job training or combined work experience and formal classroom instruction are needed for workers to develop the skills necessary to be fully qualified. This category includes formal and informal apprenticeships that may last up to 5 years. Long-term on-the-job training also includes intensive occupation-specific, employer-sponsored programs that workers must successfully complete. These include fire and police academies and schools for air traffic controllers and flight attendants. In other occupations—insurance sales and securities sales, for example—trainees take formal courses, often provided on the job site, to prepare for the required licensing exams. Individuals undergoing training generally are considered to be employed in the occupation. Also included in this category is the development of a natural ability—such as that possessed by musicians, atheletes, actors, and other entertainers—that must be cultivated over several years, frequently in a nonwork setting.

(10) *Moderate-term on-the-job training.* Skills needed to be fully qualified can be acquired during 1 to 12 months of combined on-the-job experience and informal training.

(11) *Short-term on-the-job training.* Skills needed to be fully qulaified can be acquired during a short demonstration of job duties or during 1 month or less of on-the-job experience or instruction.

Occupational Title	SOC Code	Page Number
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Administrative Services Managers	11-3011	9
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Advertising, Marketing, Promotions, PR	11-2000	9
Agricultural Managers	11-9010	9
Agricultural Workers	45-2000	26
Air Transportation Workers	53-2000	30
Animal Care and Service Workers	39-2000	23
Architects, Surveyors, and Cartographers	17-1000	12
Art and Design Workers	27-1000	17
Assemblers and Fabricators	51-2000	29
Automotive Service Technicians and Mechanics	49-3023	28
Automotive Technicians and Repairers	49-3020	28

--- B ---

Barbers and Cosmetologists	39-5010	23
Bill and Account Collectors	43-3011	25
Billing and Posting Clerks and Machine Operators	43-3021	25
Bookkeeping, Accounting, and Auditing Clerks	43-3031	25
Broadcast Technicians	27-4012	17
Building Cleaning and Pest Control Workers	37-2000	22
Building Cleaning Workers	37-2010	22
Bus & Truck Mechanics & Diesel Engine Spec.	49-3031	28
Bus Drivers	53-3020	30
Bus Drivers, School	53-3022	30
Business Operations Specialists	13-1000	10
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Carpenters	47-2031	27
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Clinical Laboratory Technologists and Technicians	29-2010	18
Clinical, Counseling, and School Psychologists	19-3031	13
Combined Food Preparation and Serving Workers	35-3021	21

Occupational Title	SOC Code	Page Number
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Compensation, Benefits & Job Analysis Spec	13-1072	10
Computer Specialists	15-1000	11
Computer Specialists, All Other	15-1099	11
Construction Equipment Operators	47-2070	27
Construction Laborers	47-2061	27
Construction Managers	11-9021	9
Construction Trades Workers	47-2000	27
Continuous Mining Machine Operators	47-5041	27
Control and Valve Installers and Repairers	49-9010	28
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Cooks and Food Preparation Workers	35-2000	21
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Counter and Rental Clerks	41-2021	24
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Crushing, Grinding, Polishing, Mixing & Blending	51-9020	29
Customer Service Representatives	43-4051	25

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Data Entry and Information Processing Workers	43-9020	25
Data Entry Keyers	43-9021	25
Derrick, Rotary Drill & Service Unit Ops, Oil, Gas	47-5010	27
Diagnostic Related Technologists and Technicians	29-2030	18
Dispatchers	43-5030	25
Drafters, Engineering & Mapping Tech., All Other	17-3099	12
Drafters, Engineering & Mapping Technicians	17-3000	12
Dredge, Excavating & Loading Machine Operators	53-7030	30
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Driver/Sales Workers and Truck Drivers	53-3030	30

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Occupational Title	SOC Code	Page Number
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Education Administrators, Postsecondary	11-9033	9
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Electrical & Electronic Equip Mechanic	49-2000	28
Electrical Power-Line Installers and Repairers	49-9051	28
Electricians	47-2111	27
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Elementary School Teachers, Ex. Special Ed.	25-2021	16
Emergency Medical Technicians and Paramedics	29-2041	18
Engineering Technicians, Except Drafters	17-3020	12
Engineers	17-2000	12
Entertainers, Performers, Sports & Related	27-2000	17
Entertainment Attendants & Related Workers	39-3000	23
Excavating & Loading Machine & Dragline Operator	53-7032	30
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Extraction Workers	47-5000	27
Extraction Workers, All Other	47-5099	27

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Family and General Practitioners	29-1062	18
Farmers and Ranchers	11-9012	9
Fast Food and Counter Workers	35-3020	21
Financial Clerks	43-3000	25
Financial Managers	11-3031	9
Financial Specialists	13-2000	10
Financial, Information, and Record Clerks, All Other	43-4999	25
Fire Fighters	33-2011	20
Fire Fighting and Prevention Workers	33-2000	20
First-Line Supervisors/Managers, Sales Workers	41-1010	24
Fishers and Related Fishing Workers	45-3010	26
Fishing and Hunting Workers	45-3000	26
Food and Beverage Serving Workers	35-3000	21
Food Preparation Workers	35-2021	21
Food Processing Workers	51-3000	29
Food Service Managers	11-9051	9
Forest, Conservation, and Logging Workers	45-4000	26
Funeral Service Workers	39-4000	23

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General and Operations Managers	11-1021	9
Grounds Maintenance Workers	37-3000	22
Grounds Maintenance Workers	37-3010	22
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Health Diagnosing & Treating Pract. Support Tech.	29-2050	18
Health Diagnosing and Treating Practitioners	29-1000	18
Health Technologists and Technicians	29-2000	18
Heating, Air Conditioning & Refrigeration Mechanics	49-9021	28
Heavy Vehicle & Mobile Equipment Service Tech	49-3040	28
Helpers, Construction Trades	47-3000	27
Helpers, Construction Trades	47-3010	27
Helpers--Extraction Workers	47-5081	27
Helpers--Install, Maint & Repair Workers	49-9098	28
Home Health Aides	31-1011	19
Human Res., Training & Labor Relations Spec	13-1070	10
Human Resources Assist., Ex. Payroll & Timekeep.	43-4161	25
Human Resources Managers	11-3040	9

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Industrial Mach. Installation, Repair & Maintenance	49-9040	28
Industrial Production Managers	11-3051	9
Industrial Truck and Tractor Operators	53-7051	30
Information and Record Clerks	43-4000	25
Inspector, Tester, Sorter, Sampler & Weighers	51-9061	29
Instructional Coordinators	25-9031	16
Internists, General	29-1063	18

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Janitors & Cleaners, Ex. Maids & Housekeeping	37-2011	22
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Kindergarten Teachers, Except Special Education	25-2012	16
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Laborers & Freight, Stock & Material Movers, Hand	53-7062	30
Laborers and Material Movers, Hand	53-7060	30
Landscaping and Groundskeeping Workers	37-3011	22
Law Enforcement Workers	33-3000	20
Lawyers	23-1011	15
Lawyers, Judges, and Related Workers	23-1000	15
Legal and Related Workers, All Other	23-9099	15
Legal Support Workers	23-2000	15
Librarians	25-4021	16
Librarians, Curators, and Archivists	25-4000	16
Library Technicians	25-4031	16
Life Scientists	19-1000	13
Life, Physical & Social Science Tech, All Other	19-4099	13
Life, Physical, and Social Science Technicians	19-4000	13
Line Installers and Repairers	49-9050	28
Loading Machine Operators, Underground Mining	53-7033	30
Locomotive Engineers and Operators	53-4010	30
Logging Equipment Operators	45-4022	26
Logging Workers	45-4020	26

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Machine Feeders and Offbearers	53-7063	30
Maids and Housekeeping Cleaners	37-2012	22
Maintenance and Repair Workers, General	49-9042	28
Maintenance Workers, Machinery	49-9043	28
Managers, All Other	11-9199	9
Marketing and Sales Managers	11-2020	9
Material Moving Workers	53-7000	30
Material Record, Schedule, Dispatch	43-5000	25
Mathematical Scientists	15-2000	11
Media & Communication Equipment Workers	27-4000	17
Media and Communication Workers	27-3000	17
Medical and Clinical Laboratory Technicians	29-2012	18
Medical and Health Services Managers	11-9111	9
Medical and Public Health Social Workers	21-1022	14
Medical Records & Health Info. Technicians	29-2071	18
Mental Health & Substance Abuse Social Workers	21-1023	14

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Metal Workers and Plastic Workers	51-4000	29
Middle School Teachers, Ex. Special & Voc. Ed	25-2022	16
Mine Cutting and Channeling Machine Operators	47-5042	27
Mining & Geological Engineers, Inc. Mining Safety	17-2151	12
Mining Machine Operators	47-5040	27
Misc. Building, Grounds Cleaning & Maint.	37-9000	22
Misc. Community and Social Service Specialists	21-1090	14
Misc. Counselors, Social & Religious Workers	21-9000	14
Misc. Installation, Maintenance, and Repair Workers	49-9090	28
Misc. Life, Physical & Social Science Tech.	19-4090	13
Miscellaneous Assemblers and Fabricators	51-2090	29
Miscellaneous Electrical and Electronic Equipment	49-2090	28
Miscellaneous Healthcare Support Occupations	31-9090	19
Miscellaneous Legal & Related Workers	23-9000	15
Miscellaneous Postsecondary Teachers	25-1190	16
Miscellaneous Production Workers	51-9190	29
Miscellaneous Sales and Related Workers	41-9090	24
Mobile Heavy Equipment Mechanics, Ex. Engines	49-3042	28
Motor Vehicle Operators	53-3000	30
Musicians and Singers	27-2042	17
Musicians, Singers, and Related Workers	27-2040	17

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Network and Computer Systems Administrators	15-1071	11
News Analysts, Reporters and Correspondents	27-3020	17
Nursing Aides, Orderlies, and Attendants	31-1012	19
Nursing, Psychiatric, and Home Health Aides	31-1000	19
Nursing, Psychiatric, and Home Health Aides	31-1010	19

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Occupational & Physical Therapist Assistants	31-2000	19
Office Clerks, General	43-9061	25
Operating Engineers & Other Const. Equip. Ops	47-2073	27
Operations Specialties Managers	11-3000	9
Order Clerks	43-4151	25
Other Construction and Related Workers	47-4000	27
Other Education, Training & Library Occs	25-9000	16
Other Farming, Fishing, and Forestry Workers	45-9000	26

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Other Food Prep. & Serving Related Workers	35-9000	21
Other Healthcare Practitioners & Tech. Occs	29-9000	18
Other Healthcare Support Occupations	31-9000	19
Other Installation, Maint. & Repair Occupations	49-9000	28
Other Management Occupations	11-9000	9
Other Office & Administrative Support Worker	43-9000	25
Other Personal Care and Service Workers	39-9000	23
Other Production Occupations	51-9000	29
Other Protective Service Workers	33-9000	20
Other Sales and Related Workers	41-9000	24
Other Teachers and Instructors	25-3000	16
Other Transportation Workers	53-6000	30

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Packers and Packagers, Hand	53-7064	30
Parts Salespersons	41-2022	24
Payroll and Timekeeping Clerks	43-3051	25
Personal and Home Care Aides	39-9021	23
Personal Appearance Workers	39-5000	23
Physical Scientists	19-2000	13
Physician Assistants	29-1071	18
Physicians and Surgeons	29-1060	18
Pipelayers, Plumbers, Pipefitters, and Steamfitters	47-2150	27
Plant and System Operators	51-8000	29
Plumbers, Pipefitters, and Steamfitters	47-2152	27
Postal Service Clerks	43-5051	25
Postal Service Mail Carriers	43-5052	25
Postal Service Mail Sorter, Processing Machine	43-5053	25
Postal Service Workers	43-5050	25
Postmasters and Mail Superintendents	11-9131	9
Postsecondary Teachers	25-1000	16
Preschool and Kindergarten Teachers	25-2010	16
Preschool Teachers, Except Special Education	25-2011	16
Primary, Secondary & Special Ed. Teachers	25-2000	16
Printing Workers	51-5000	29
Procurement Clerks	43-3061	25
Production, Planning, and Expediting Clerks	43-5061	25
Public Relations Managers	11-2031	9
Public Relations Specialists	27-3031	17
Purchasing Agents, Ex. Wholesale, Retail & Farm	13-1023	10

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Radiologic Technologists and Technicians	29-2034	18
Rail Transportation Workers	53-4000	30
Receptionists and Information Clerks	43-4171	25
Recreation Workers	39-9032	23
Religious Workers	21-2000	14
Retail Sales Workers	41-2000	24
Retail Salespersons	41-2031	24
Roof Bolters, Mining	47-5061	27

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Sales and Related Workers, All Other	41-9099	24
Sales Representatives, Services	41-3000	24
Sales Reps, Wholesale & Manufacturing, Ex. Tech	41-4012	24
Sales Reps, Wholesale and Manufacturing	41-4000	24
Sales Reps, Wholesale and Manufacturing	41-4010	24
Sec. School Teachers, Ex. Special & Voc. Ed	25-2031	16
Secondary School Teachers	25-2030	16
Secretaries and Administrative Assistants	43-6000	25
Secretaries and Administrative Assistants	43-6010	25
Secretaries, Except Legal, Medical, and Executive	43-6014	25
Security Guards	33-9032	20
Self-Enrichment Education Teachers	25-3021	16
Shipping, Receiving, and Traffic Clerks	43-5071	25
Shuttle Car Operators	53-7110	30
Shuttle Car Operators	53-7111	30
Social and Community Service Managers	11-9151	9
Social and Human Service Assistants	21-1093	14
Social Scientists and Related Workers	19-3000	13
Social Workers	21-1020	14
Special Education Teachers	25-2040	16
Special Education Teachers, Middle School	25-2042	16
Special Education Teachers, Preschool to Elem.	25-2041	16
Special Education Teachers, Secondary School	25-2043	16
Speech-Language Pathologists	29-1127	18
Stock Clerks and Order Fillers	43-5081	25
Supervisors of Construction Trades	47-1011	27
Supervisors of Food Prep. and Serving Workers	35-1012	21

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Supervisors of Housekeeping and Janitorial	37-1011	22
Supervisors of Install, Maint. & Repair Worker	49-1000	28
Supervisors of Landscaping, Lawn Service	37-1012	22
Supervisors of Mechanics, Installers	49-1011	28
Supervisors of Office and Administrative	43-1011	25
Supervisors of Production and Operating	51-1011	29
Supervisors of Retail Sales Workers	41-1011	24
Supervisors, Building and Grounds Cleaning	37-1010	22
Supervisors, Building, Grounds Clean. & Maint	37-1000	22
Supervisors, Const. & Extraction Workers	47-1000	27
Supervisors, Farm, Fish & Forestry Workers	45-1000	26
Supervisors, Food Prep. & Serving Workers	35-1010	21
Supervisors, Food Prep. and Serving Workers	35-1000	21
Supervisors, Office & Admin. Support Worker	43-1000	25
Supervisors, Personal Care & Service Worker	39-1000	23
Supervisors, Production Workers	51-1000	29
Supervisors, Protective Service Workers	33-1000	20
Supervisors, Sales Workers	41-1000	24
Supervisors, Transp. & Material Moving	53-1000	30
Supervisors/Managers of Transportation	53-1031	30
Switchboard Operators, Inc. Answering Service	43-2011	25

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Tailors, Dressmakers, and Sewers	51-6050	29
Teacher Assistants	25-9041	16
Teachers, Primary, Secondary & Adult, All Other	25-3999	16
Telecom. Equipment Installers and Repairers	49-2022	28
Tellers	43-3071	25
Textile, Apparel, and Furnishings Workers	51-6000	29
Therapists	29-1120	18
Top Executives	11-1000	9
Training and Development Specialists	13-1073	10
Transportation, Storage, and Distribution Managers	11-3071	9
Truck Drivers, Heavy and Tractor-Trailer	53-3032	30
Truck Drivers, Light or Delivery Services	53-3033	30

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Vehicle & Mobile Equip. Mechanics, Installers	49-3000	28
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Water Transportation Workers	53-5000	30
Weigher, Measurer, Checker & Sampler, Records	43-5111	25
Welders, Cutters, Solderers, and Brazers	51-4121	29
Welding, Soldering, and Brazing Workers	51-4120	29
Woodworkers	51-7000	29
Woodworking Machine Setter, Operator & Tenders	51-7040	29
Word Processors and Typists	43-9022	25